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(54) Title: CANCER ASSOCIATED PLEXINB1 MUTATIONS

(57) Abstract: The present inventors have identified cancer associated mutations in plexinB1, which is a transmembrane receptor that mediates semaphorin signalling. The frequency of plexinB1 mutations, in particular in prostate and breast cancer, indicates that plexinB1 may be useful in the screening and diagnosis of cancer and as a drug target in the development of anti-cancer therapeutics.